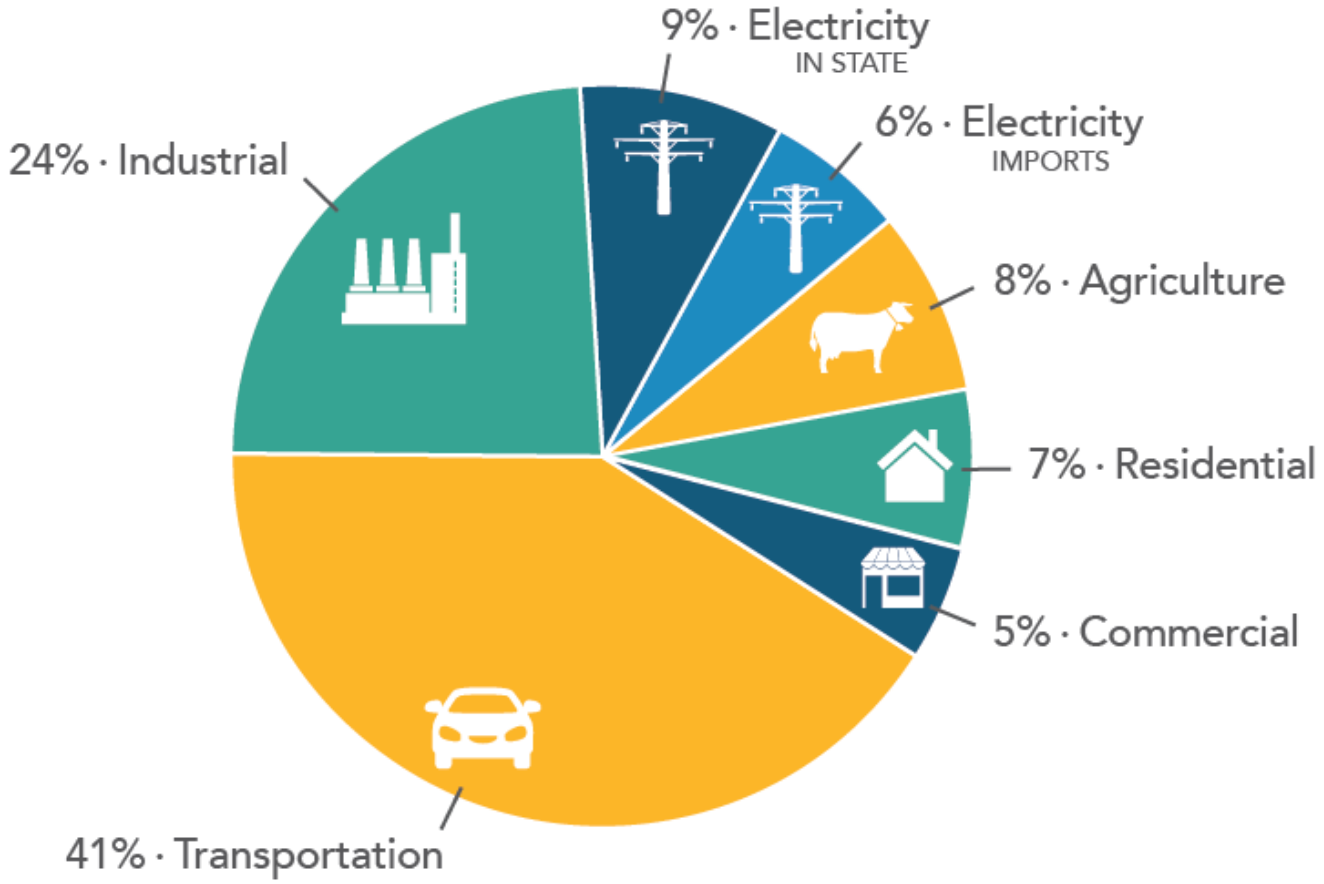
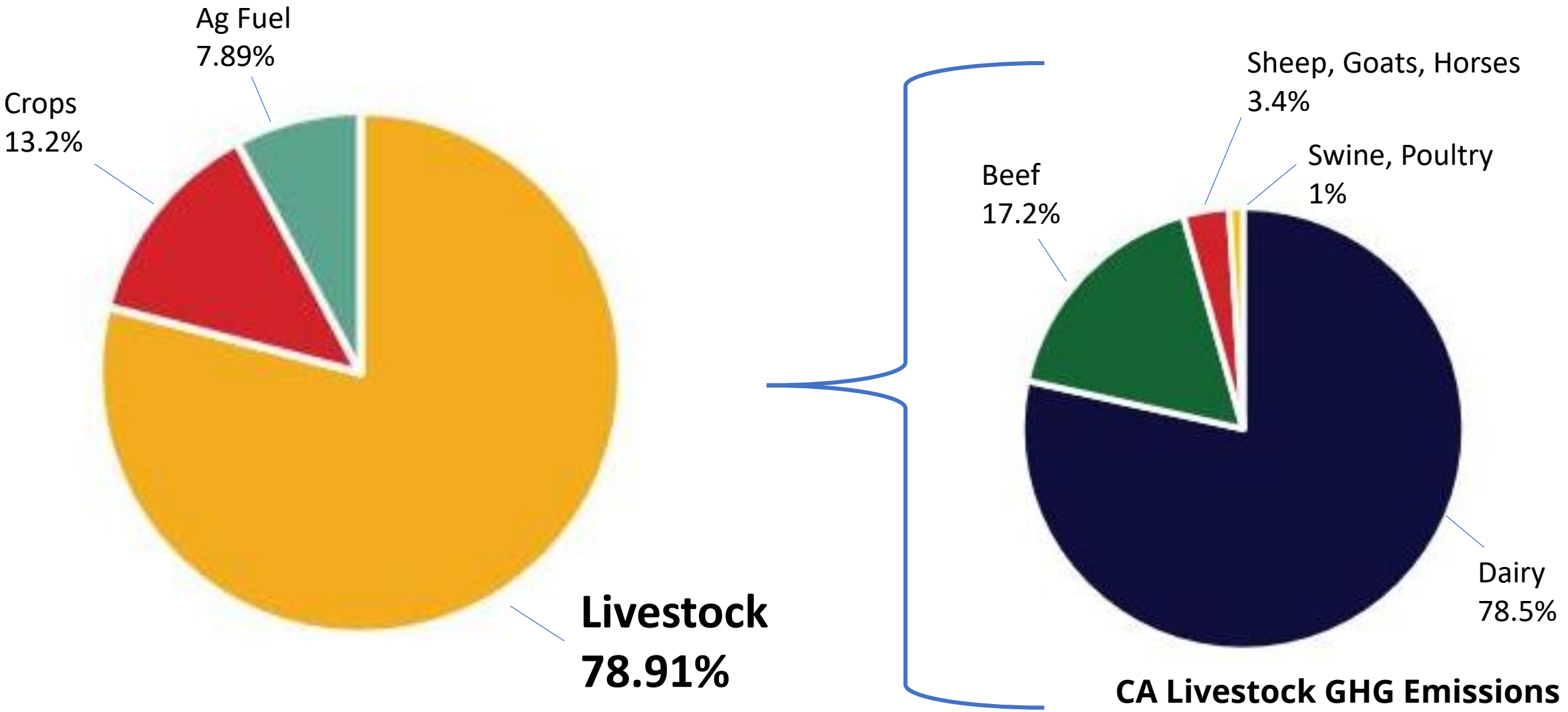
Dairy Methane Reduction: California's Approach and Progress to Date

CA GHGs in Perspective



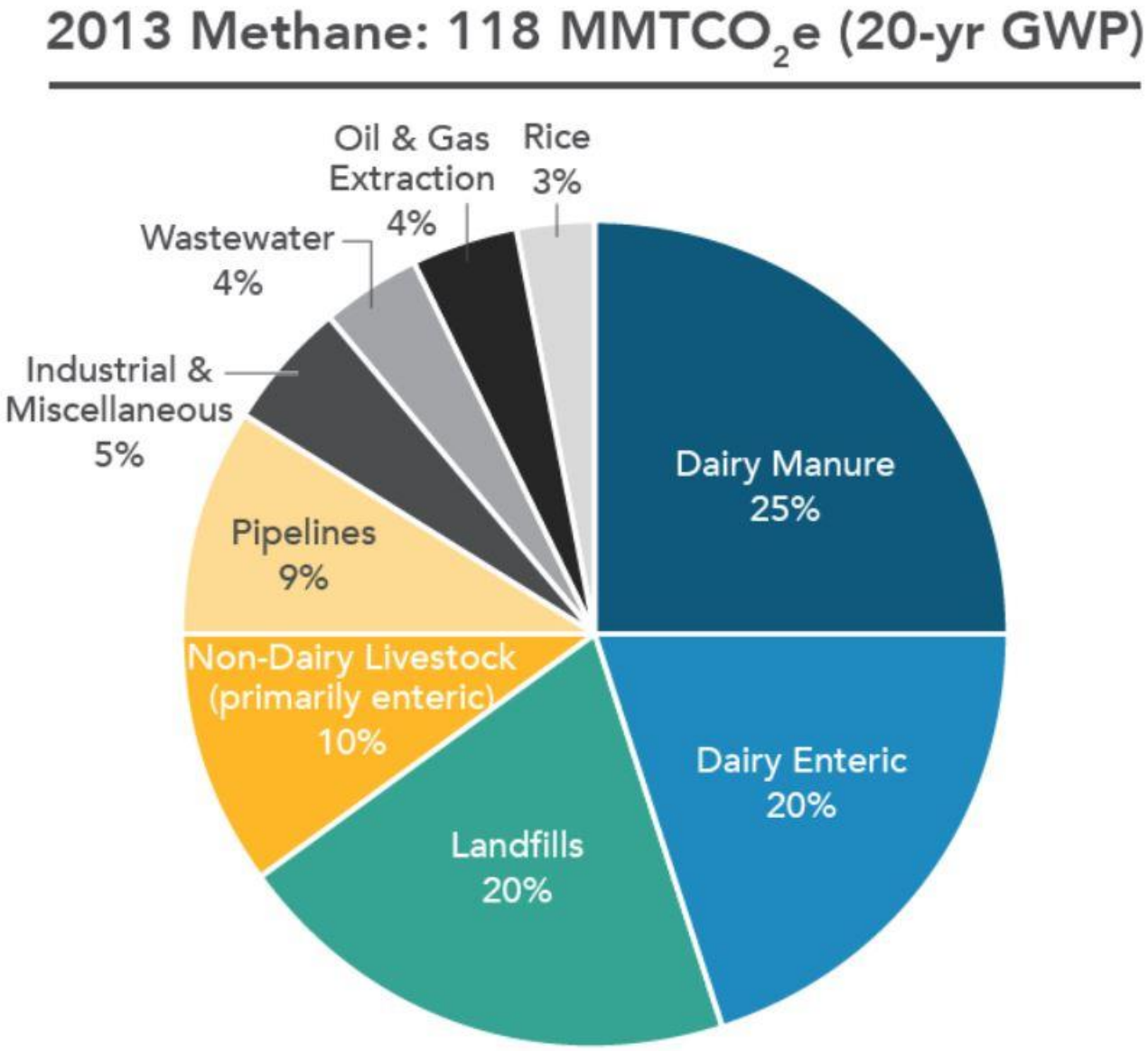
Source: CARB, 2017

CA Agriculture GHG Emissions



Data from CARB, 2017

Methane in Perspective



Targeting Short-Lived Climate Pollutants

Senate Bill 1383 (2016, Lara)

40% Reduction of Methane by 2030

Collaborative, Incentive-Based Approach

No Regulation Till 2024

Focus on Manure Methane

Pictured Left to Right:
Dairy Farmer, Eric Te Velde
CDFA Secretary, Karen Ross
Senate Bill 1383 Author Ricardo Lara

Strategies for Reducing Dairy Methane

Digesters + **Alternative Manure Management** + **Research**

Tremendous Investment

Collectively Approaching $1 Billion

CALIFORNIA CLIMATE INVESTMENTS

Cap and Trade Dollars at Work

Multiple Policies Supporting Methane Reduction

Grant Funding

CA Dept. of Food & Agriculture

CA Energy Commission

CA Public Utilities Commission

+

Procurement/ Program Support

BioMAT

Low Carbon Fuel Standard

RNG Procurement

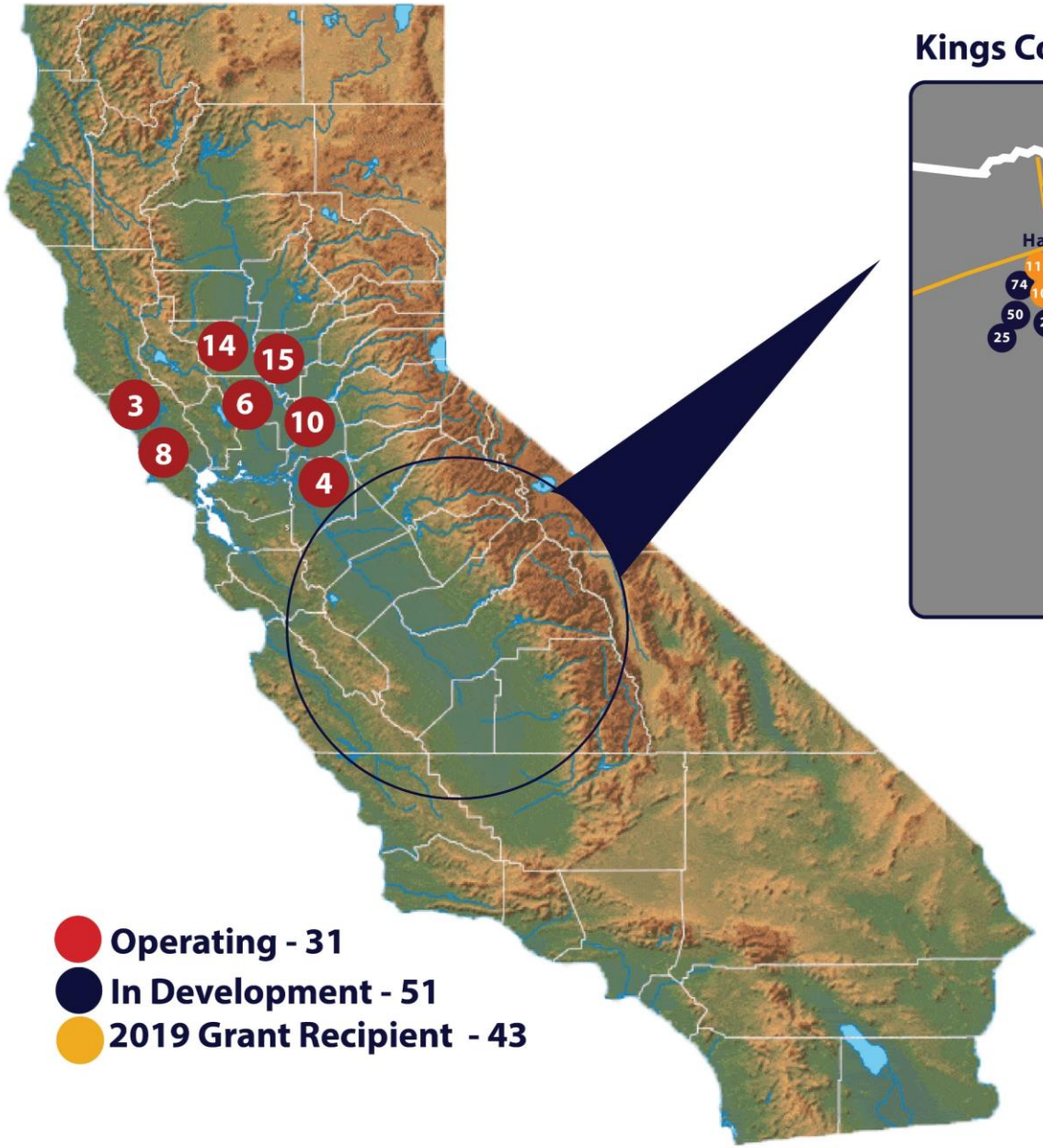
Interconnection Assistance

+

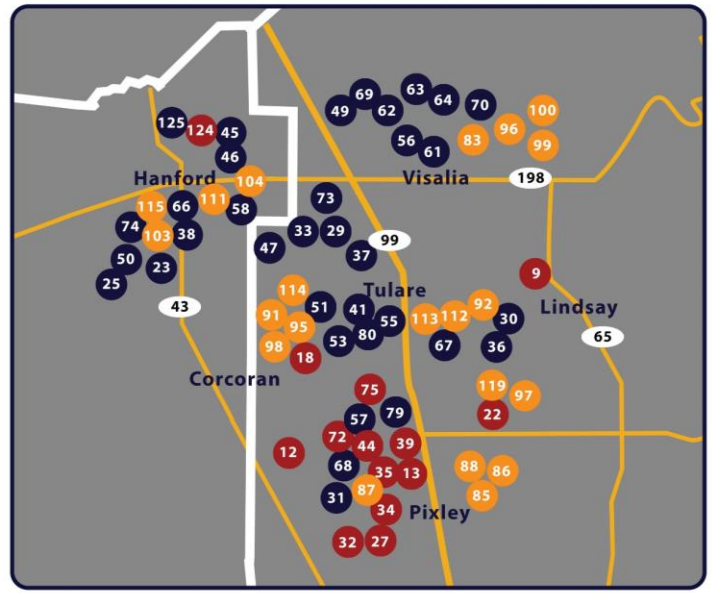
Dairy Farm / Private Investment

Tremendous Progress

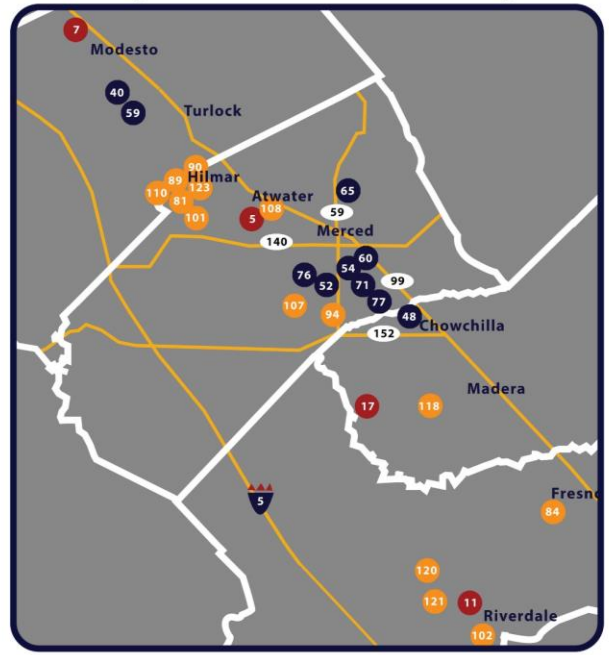
California Dairy Digester Development



Kings County (16) & Tulare County (55)



Stanislaus County(3), Merced County (17), Madera County (3),



Kern County (19)

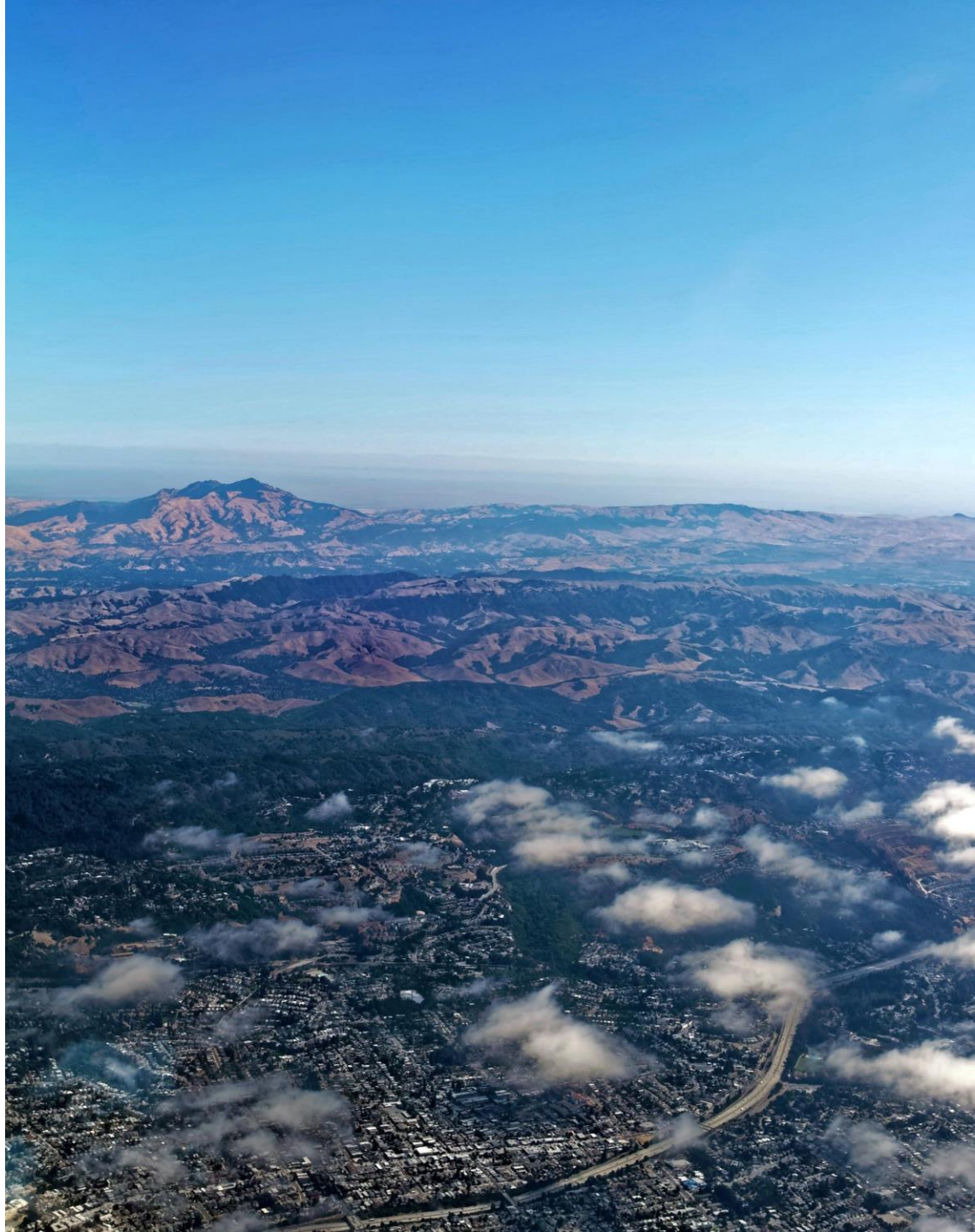
More than Methane Reduction

60 Million DGE

Electric Vehicle Charging

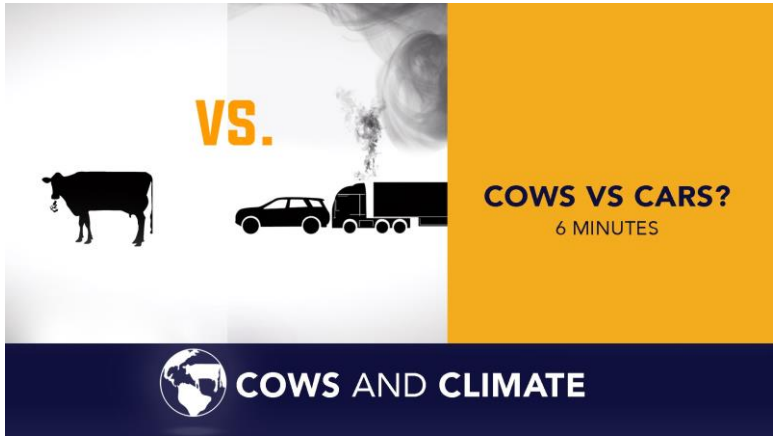
More than Methane Reduction

- ↓ Nitrous Oxide (NO_x)
- ↓ Volatile Organic Compounds (VOC)
- ↓ Ammonia (NH_3)
- ↓ Hydrogen Sulfide (H_2S)
- ↑ Water Quality Benefits



Progress to Date

For More Information at DairyCares.com



Resources

Learn more about the Dairy Digester Research and Development Program in the **2019 Annual Report** to the Legislature on California Climate Investments Using Cap-and-Trade Auction Proceeds. You can also download the following resources.

CDFA Press Release | Radio Interview | Climate-Smart Dairy Report | DDRDP/AMMP Infographic | One-Page Overview

Learn about the state's dairy methane reduction efforts, including alternative manure management practices.

CA Digester Map — Explore the print-friendly map.

Digesters & Air Overview | Digester Co-Benefit Infographic — Learn how California's dairy digesters are helping improve air quality.

Cows & Climate Videos

YouTube.com/DairyCares